

SEQUENCE LISTING

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<120> METHODS FOR DIAGNOSING AND EVALUATING CANCER

<130> 100086.407C2

<140> US
<141> 1999-01-20

<160> 324

<170> PatentIn Ver. 2.0

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Motif in Extracellular domains of Classical
Cadherins

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1 5

<210> 2
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Motif in Extracellular domains of Classical
Cadherins

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Synthesis based on Human OB-Cadherin

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Ile Phe Val Ile Asp Asp Lys Ser Gly
1 5

<210> 4
<211> 106
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<213> Homo sapiens

<400> 4

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Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
 1          5          10          15
Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
          20          25          30
Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
          35          40          45
Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
          50          55          60
Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
          65          70          75          80
Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
          85          90          95
Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
          100          105

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<210> 5

<211> 106

<212> PRT

<213> Mus musculus

<400> 5

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Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
 1          5          10          15
Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
          20          25          30
Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
          35          40          45
Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
          50          55          60
Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
          65          70          75          80
Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
          85          90          95
Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
          100          105

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<210> 6

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<213> Homo sapiens

<400> 6

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Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
 1          5          10          15
Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
          20          25          30

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Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
 35 40 45

Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
 50 55 60

Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala
 65 70 75 80

Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
 85 90 95

Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
 100 105

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<211> 108

<212> PRT

<213> Mus musculus

<400> 7

Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
 1 5 10 15

Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
 20 25 30

Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
 35 40 45

Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
 50 55 60

Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
 65 70 75 80

Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
 85 90 95

Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
 100 105

<210> 8

<211> 108

<212> PRT

<213> Bos taurus

<400> 8

Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
 1 5 10 15

Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
 20 25 30

Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr

35 40 45
 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
 50 55 60
 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
 65 70 75 80
 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
 85 90 95
 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
 100 105

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<220>
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 Ile Phe Val Ile Asp Asp Lys Ser Gly
 1 5

<210> 10
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 Adhesion Recognition Sequence in an OB-Cadherin

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 <223> Where Xaa is either Valine of Serine

<220>

<221> MOD_RES

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<223> Where Xaa is either Isoleucine or Valine

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<222> (5)

<223> Where Xaa is either Aspartate or Glutamate

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<223> Where Xaa is an Independently selected amino acid

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<223> Where Xaa is an independently selected amino acid

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<222> (8)

<223> Where Xaa is either Serine or Threonine

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<211> 6

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Asp Asp Lys Ser Gly
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<400> 17

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Synthesis based on Human OB-Cadherin

<400> 18

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Phe Val Ile Glu Glu Tyr
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1 5

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<210> 52
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Tyr Phe Ser Val Glu Ala Gln Thr Gly

1

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OB-Cadherin

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Cys Ile Asp Asp Lys Cys
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<210> 57

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OB-Cadherin

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Cys Asp Asp Lys Ser Cys
1 5

<210> 58

<211> 7

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OB-Cadherin

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Cys Val Ile Asp Asp Lys Cys
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<210> 59

<211> 7

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OB-Cadherin

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<210> 60

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OB-Cadherin

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OB-Cadherin

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OB-Cadherin

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Cys Ile Asp Asp Lys Ser Gly Cys
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Synthesis and Cyclization based on Human
OB-Cadherin

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1

5

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 OB-Cadherin

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 OB-Cadherin

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 OB-Cadherin

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<400> 72
 Asp Val Ile Asp Asp Lys Lys
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 OB-Cadherin

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 1 5

<210> 74
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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 Asp Ile Phe Val Ile Asp Asp Lys Lys
 1 5

<210> 75
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Synthesis and Cyclization based on Human
OB-Cadherin

<220>
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<400> 75
Glu Asp Asp Lys Lys
1 5

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Synthesis and Cyclization based on Human
OB-Cadherin

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<400> 76
Glu Ile Asp Asp Lys Lys
1 5

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Synthesis and Cyclization based on Human
OB-Cadherin

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Glu Val Ile Asp Asp Lys Lys
1 5

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Synthesis and Cyclization based on Human
OB-Cadherin

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Glu Phe Val Ile Asp Asp Lys Lys
1 5

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Synthesis and Cyclization based on Human
OB-Cadherin

<220>
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Glu Ile Phe Val Ile Asp Asp Lys Lys
1 5

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OB-Cadherin

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N-Cadherin

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N-Cadherin

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 reverse primer

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